

What is claimed is:

1. A stator of a three-phase generator, having a multi-strand stator winding, wherein each of the m phase windings (19)
 - 5 – is comprised of a group (22), which
 - has a first coil (24) with coil sides (28, 29), which are contained in grooves (16) that are spaced apart from one another by 180° electrically and the first coil (24) has a particular number of turns (z_w),
 - has a second coil (27) with coil sides (29, 30), which are contained in grooves (16) that are spaced apart from one another by 180° electrically and the second coil (27) has a particular number of turns (z_w);
 - the second coil (27) is offset from the first coil (24) in a first direction by $180^\circ/m$ electrically, and
 - in accordance with the predetermined number of pole pairs, a corresponding number of groups (22) that are offset from one another by 360° electrically are arranged one after another in the stator.
 - 10 2. The stator as recited in claim 1,
wherein the group (22) also has a third coil (50) that precedes the first coil (24)
15 by $180^\circ/m$ electrically in a second direction opposite from the first offset direction.
 - 20 3. The stator as recited in claim 2,
wherein the third coil (50) has fewer turns than the first coil (24).
 - 25 4. The stator as recited in one of the preceding claims,
wherein the phase windings (19) are comprised of multi-strand wire.
 - 30 5. The stator as recited in one of the preceding claims,
wherein it is a flat packet stator.
 6. The stator as recited in claim 5,

wherein the coil sides of the stator winding are shaped and adapted to a groove contour.

5 7. The stator as recited in one of the preceding claims,
wherein it is the stator of a machine with three phase windings, in particular a
three-phase generator.